Crystal Radio Plans and Circuits

and parts of books

This section contains 174 articles at the present time
(articles are numbered)
Many articles have multiple plans!

Information Donated In Part By The Following Persons
Mike Tuggle (Hawaii), Richard O'Neill, Lou Blasco, Mike Peebles, Andy Klute, Evan Haydon, David Porter, Kent Stevens, Harlan Higman and his Father, Steve Myers, Ben Tongue, Brian Hawes (England), Lincoln Rivas (Chile, South America), Phil Vanheurck, Brian Butler (Canada) Andre Frechette VE2FAB, Terry Hicks, Rod Wall (Australia), Kenneth Ladd

We thank you for sharing your radio plans!!!

If you have any plans to share, please email me.
Email address at bottom of page

"New" Plans Just Added Section

Click Here

Spanish Language Plans

Esquemas en lengua española

Click Here

Department of Commerce, Bureau of Standards Circulars

#1

Department of Commerce, Bureau of Standards Circular #120

"Construction And Operation Of A Very Simple Radio Receiving Equipment"

(158k file) "pdf" format
Courtesy of Lou Blasco

Lower quality, but here if you have to have "doc" files
#120 (892k file) "doc" format

#2

Department of Commerce, Bureau of Standards Circular #121

"Construction And Operation Of A Two-Circuit Radio Receiving Equipment With Crystal Detector"

(98k file) "pdf" format
Courtesy of Lou Blasco

Lower quality, but here if you have to have "doc" files
#121 (757k file) "doc" format

#3

Department of Commerce, Bureau of Standards Circular #133

"Description And Operation Of An Electron-Tube Detector Unit For Simple Radio Receiving Outfits"

Page 1	Page 3	Page 4	Page 4b
Page 5	Page 6	Page 7	Page 8
Page 9	Page 10	Page 11	Page 12
Page 13	Page 14	Page 15	Page 16
Page 17	Page 18	Page 19	Page 20
Page 21			

(page 2 is a blank page)

Courtesy of Steve Myers

#4

Department of Commerce, Bureau of Standards Circular #137

"Auxiliary Condensers And Loading Coil Used With Simple Homemade Radio Receiving Qutfits"

Page 1	Page 3	Page 4	Page 5
Page 6	Page 7	Page 8	Page 9
Page 10	Page 11	Page 12	Page 13
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Page 18	Page 19		

(page 2 is a blank page)

Courtesy of Steve Myers

#5

Department of Commerce, Bureau of Standards Circular #141

"Description And Operation Of An Audio-Frequency Amplifier Unit For Simple Radio Receiving Outfits"

Page 1	Page 3	Page 4	Page 5
Page 6	Page 7	Page 8	Page 9
Page 10	Page 11	Page 12	Page 13
Page 14	Page 15	Page 16	Page 17
Page 18		Page2 (missed)	

(page 2 is a blank page)

Courtesy of Steve Myers

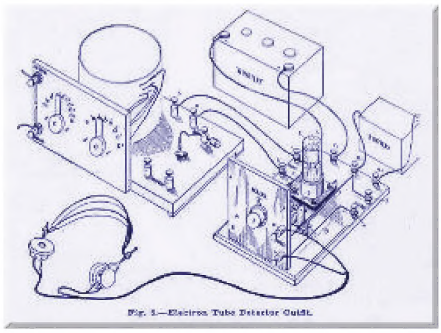
#6

Farm Economy Supplement

Published early 20's
This radio is almost the same as #120 above,
but more detail and upgradable to a tube radio

Title Page

page33	page34	page35	page36
page37	page38	page39	page40
page41	page42		



#7

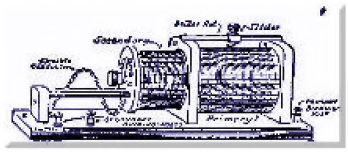
Construction and Operation of a Simple Homemade Radio Recieving Outfit

This radio is almost the same as above
"Department of Commerce, Bureau of Standards Circulars"
PDF Format

#8

The Boy Electrician

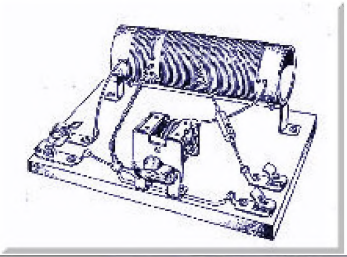
(1. 5 meg in DOC format)



9

Allied Knight-kit

This is an excellent project for a beginner to build
(837k)



#10

How to Build An Efficient Crystal Receiver

How to Build An Efficient Crystal Receiver Page1

How to Build An Efficient Crystal Receiver Page2

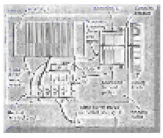
How to Build An Efficient Crystal Receiver Page3

How to Build An Efficient Crystal Receiver Page4

How to Build An Efficient Crystal Receiver Page5

#11

Building An Elementary Receiver



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Page 17	Page 18	Page 19	Page 20
Page 21	Page 22	Page 23	Page 24
Page 25	Page 26	Page 27	

#12

Duel Rectification With Crystals Page 1

Duel Rectification With Crystals Page 2

#3

The Flextal Crystal Set

Removed , Sorry

#14

Foxhole Emergency Radios Page 1

Foxhole Emergency Radios Page 2

#15

Heathkit CR1

#16

Simple Improved Crystal Set Page 1

Simple Improved Crystal Set Page 1

#17

A Match Box Radio That Actually Works

#18

"Loud" Crystal Radio

#19

3 Miller Drawings Page 1
3 Miller Drawings Page 2
3 Miller Drawings Page 3

0

My Crystal Set That Gets DX

Page 1

#21

Wide Range Bandpass Crystal Tuner

Page 1 Page 2

#22

A Conelrad Monitor

Page 1

#23

Channel Tuned Crystal Receiver

Page 1 Page 2

#24

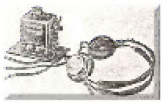
How I Invented The

Crystal Detector

Page 1 Page 2

#25

Assymbling A Simple Crystal Set



Page 1 Page 2

#26

A Modern Crystal Set

Page 1

#27

Link_Coupled Crystal Set

Page 1 Page 2

#28

The Crystal Radio Makes a Come-Back

Page 1 Page 2

#29

A Modern Midget Set

Page 1 Page 2

#30

Modern Crystal Set

Page 1

#31

A Super Selective Crystal Receiver

Page 1

#32

A Super Sensitive All-Wave Crystal Set

Page 1 Page 2

#33
Germanium Crystal Receivers Pick-Up European Broadcasts

Page 1 Page 2

#34
High-Efficiency Crystal Receiver

Page 1

#35
DX Crystal Radio Receiver

Page 1 Page 2

#36
Selective, Fixed Detector Crystal Set

Page 1 Page 2

#37
The Crystal Detector

Page 1 Page 2 Page 3 Page 4

#38
Tuggle Notes

Page 1 Page 2 Page 3

#39
Two Timer

Page 1 Page 2

#40
When Tubes Beat Crystals: Early Radio Detectors

Page 1	Page 2	Page 3
Page 4	Page 5	Page 6

#41

A Modern Crystal Set

Page 1 Page 2 Page 3

#42

Oat Box Crystal Radio Set

Page 1 Page 2

Version#2

Page 1 Page 2 Page 3

#43

Pencil Crystal Radio

JPG File

Page 1

#44

Harlan Higman and his Fathers Radios

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Page 21			

#45

Fountain Pen Radio

JPG File

Page 1

#46

Make The Parts For These Crystal Sets

JPG Files

Page 1 Page 2

#47

Loop Crystal Set

JPG Files
Page 1 Page 2

#48
"Tom Thumb" Crystal Set
JPG Files
Page 1

#49
Two Low-Cost Crystal Sets
JPG Files
Page 1 Page 2

#50
Powerful Crystal Set #1
This is not the same set as Powerful Crystal Set #2 below
It's claim is it is so powerful it will heat up the crystal on local stations! (OK?)
JPG File(s)
Page 1 Page 2

#51
A "P.W." Ultra Crystal Set
Donated by Brian Hawes

JPG File(s)
Page 1 Page 2 Page 3

#52
Three Germanium Diode Crystal Receivers For Beginners

JPG File(s)
Page 1 Page 2

#53
Build A Modern Crystal Set

Page 1	Page 2	Page 3	Page 4	Page 5

#54
Tapped Coil Crystal Set
"Allied Radio Kit"

JPG File(s)
Page 1 Page 2 Page 3

#55
Tapped - Coil Crystal Receiver and Battery - Operated Amplifier

JPG File(s)
Page 1 Page 2 Page 3

#123
The last word in Crystal Sets ....the first word in radio

JPG File(s)
Page 1 Page 2 Page 3 Page 4

added 12 Dec 04

#124

Small Fry Crystal Set

JPG File(s)
Page 1

added 12 Dec 04

#125

A Crystal Set for the Boy Builder

JPG File(s)
Page 1 Page 2 Page 3

added 12 Dec 04

#126

How To Build A Loud Speaker Crystal Receiver

JPG File(s)

Page 1	Page 2	Page 3	Page 4
Page 5	Page 6	Page 7	Page 8

added 5 Jan 04

#127

How To Build A Long Distance Crystal Radio Set

JPG File(s)

Page 1 Page 2 Page 3 Page 4

These images are a little hard to read, but not bad.
From 1923 by Leon Lambert
They were scanned a little higher resolution to help.

#128

Building A Crystal Set For The Children

JPG File(s)
Page 1

added 24 Jan 04

#129

Classic Crystal

JPG File(s)
Page 1 Page 2

added 24 Jan 04

#130

Crystal Detectors And How They Work

JPG File(s)
Page 1 Page 2 Page 3

added 24 Jan 04

#131

Grandpa's Wisker

JPG File(s)
Page 1 Page 2 Page 3 Page 4

added 24 Jan 04

#132

Build The See-Through Crystal Radio Receiver

JPG File(s)
Page 1 Page 2

added 24 Jan 04

#133

Glass-Jar Crystal Receiver

JPG File(s)

Page 1

Donated by Brian Butler

Original image has been altered slightly to remove "noise" in the image.
This makes the image smaller and load faster.

added 24 Jan 04

#134

Tapped Coil Crystal Radio

JPG File(s)

Page 1 Page 2 Page 3 Page 4 Page 5

added 31 Jan 04

#135

Halyard's "Worth-while" Crystal Set

The Coil Is Wound In The Legs Of A Table!
Combo Table Radio!
JPG File(s)

Page 1 Page 1a Page 2 Page 3 Page 4
(Page 1a is the bottom of Page 1)

Donated by Brian Hawes

added 8 Feb 04

#136

Inductively Coupled Crystal Receiving Set

JPG File(s)

Page 1	Page 2	Page 3	Page 4
Page 5	Page 6	Page 7	Page 8
Page 9			

Donated by Brian Butler

Added 8 Feb 04

#137

Crystal-Type Broadcast Receiver

JPG File(s)

Page 1 Page 2 Page 3

Added 16 Feb 04

An error was found in the original circuit by Mike Peebles, so an "updated" version of the page is offered here.

JPG File

Page 4

Donated by Mike Tuggle

Added 21 Aug 04

#138

Akatuki Data Sheet

JPG File(s)

Page 1

Added 16 Feb 04

#139

Building A Crystal Set

JPG File(s)

Page 1 Page 2 Page 3

Donated by Brian Butler
Added 14 Mar 04

#140

Vest Pocket Crystal Receiver

JPG File(s)

Page 1 Page 2
added 3 Apr 04

#141

Umbrella Crystal Radio

A loop set
This is a copy of the original patent of this device from 1928
I purchaced the originals patent records in April of 2004
JPG File(s)

Page 1 Page 2 Page 3 Page 4 Page 5 Page 6
added 3 Apr 04

#142

Electronics and Hobbyiests

JPG File(s)

Page 1
added 20 Apr 04

Donated by Brian Butler

#143

Cigar Box Radio

JPG File(s)

Page 1 Page 2
added 20 Apr 04

#79

Assymbly and Wiring Instructions for a Miller

JPG File(s)
Page 1 Page 2 Page 3

Miller Drawings and Ads and Info.
#144
JPG File(s)
Page 1 Page 2 Page 3

added 12 June 04

#146
Super-Sensitive

Vest Pocket Crystal Radio

(This is not the same "Vest Pocket" plans show elsewhere on this page)
JPG File(s)
Page 1 Page 2

added 12 June 04

#147

Selective, Fixed Detector Crystal Set

JPG File(s)
Page 1 Page 2

This set of plans is also below, but is a better copy
added 18 Jun 04

#148
Crystal Set Built Into Toy Telephone
JPG File(s)
Page 1

added 18 Jun 04

#149
Tiny Crystal Set Built in Toy Bank
JPG File(s)
Page 1 Page 2 Page 3
added 18 Jun 04

#150
Loudspeaker Crystal Receiver
This set is really a 1 tube radio that can be converted to a crystal set
JPG File(s)
Page 1 Page 2 Page 3 Page 4
added 18 Jun 04

#151
Crystal Set In A Bedside Lamp
I would not recommend making this radio. It is posted as reference only.
Could be dangerious.
JPG File(s)
Page 1 Page 2 Page 3 Page 4
added 25 July 04

#152
Space-Age Crystal Set
JPG File(s)
Page 1 Page 2 Page 3
added 25 July 04

#153
How To Build "Free-Power" Radios
JPG File(s)
Page 1 Page 2 Page 3

Donated by Andre Frechette VE2FAB
added 21 August 04

#154
Build a Modern Crystal Set
JPG File(s)

Page 1 Page 2 Page 3 Page 4
added 21 August 04

#155
Build a Crystal Set
The Original Solid-State Radio
JPG File(s)
Page 1 Page 2
added 21 August 04

#156
Transistorized Loop Crystal Receiver
JPG File(s)
Page 1 Page 2 Page 3 Page 4
added 21 August 04

#157
Sun Powered Radio
JPG File(s)
Page 1 Page 2 Page 3 Page 4
added 21 August 04

#165
A Solderless B.C. Crystal Receiver
JPG File(s)
Page 1
added 15 Oct 04
Donated by Terry Hicks

#166
A Modern Midget Set
JPG File(s)
Page 1

added 24 Oct 04
Donated by Terry Hicks

#167
A Matchbox Crystal Set
PDF File
Page1

added 17 July 2005
Donated by Rod Wall

#168
Novel Crystal Set With Viriometer-Tuning

PDF File
Page1

added 17 July 2005
Donated by Rod Wall

#169
DX Crystal Radio Receiver
by Joseph Amarose

PDF File(s)
Page 1

Donated by Kenneth Ladd
added 03 Oct 05

#170
Boy's Book of Crystal Sets
by W. J. May

PDF File(s)
Page 1

Donated by Lou Blaso
added 09 Oct 05

#171
#96 Crystal Set Conctruction"
by B. B. Babani

PDF File(s)
Page 1

Donated by Lou Blaso
added 09 Oct 05

New Plans Section!!!!

New !
#172
Cystal Receivers For Broadcast Reception
Book

PDF File(s)
(almost 5 meg download)
Page 1

Donated by Kenneth Ladd
added 08 Jan 06

New !
#173
Radio Receivers - Cystal Receiver

JPG File(s)
Page 1 Page 2

me
added 14 Jan 06

New !
#173
Subminature Portable Crystal Radio Receiver
This is a patent and not "plans"
PDF Format Only

Donated by Ken Ladd
12 March 2006

Spanish Language Plans
Planes Españoles De La Lengua

#56
Eficiente receptor a galena para telefonos
Efficient galena receiver for phones
Radio Plans in Spanish (donated by Lincoln Rivas, Chile, South America)

JPG File(s)

Page 1	Page 2	Page 3

Donated by Lincoln Rivas (Chile, South America)

#57
Un Excelente Receptor a galena
An Excellent Galena Receiver
Radio Plans in Spanish (donated by Lincoln Rivas, Chile, South America)

JPG File(s)

Page 1	Page 2	Page 3	Page 4
Page 5	Page 6	Page 7	Page 8

Donated by Lincoln Rivas (Chile, South America)

#57

Reception - Distintos Desinos De Receptores A Galena

Reception - Different Designs Of Galena Receivers
Radio Plans in Spanish (donated by Lincoln Rivas, Chile, South America)

JPG File(s)

Page 1	Page 2	Page 3	Page 4

Donated by Lincoln Rivas (Chile, South America)

#120

Receptores a Galena de Caracteristicas Especiales

JPG File(s)

Page 1	Page 2	Page 3	Page 4	Page 5
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Donated by Lincoln Rivas (Chile, South America)

#121

Receptores Selectivos a Galena

JPG File(s)

Page 1	Page 2	Page 3	Page 4	Page 5
Page 6	Page 7	Page 8	Page 9	

Donated by Lincoln Rivas (Chile, South America)

#122

El Reino de la Galena

JPG File(s)

Page 1	Page 2	Page 3	Page 4	Page 5
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Donated by Lincoln Rivas (Chile, South America)

#145

Receptor a Galena

JPG File(s)
Page 1 Page 2

Donated by Lincoln Rivas (Chile, South America)
added 12 June 04

#158

Construccion De Un Receptor De Cristal

(Construction Of A Crystal Receiver)

JPG File
Page 1

Donated by Lincoln Rivas (Chile, South America)
added 26 Sept 04

#159
Detector De Cristal
(Crystal Detector)

JPG File(s)
Page 1 Page 2

Donated by Lincoln Rivas (Chile, South America)
added 26 Sept 04

#160
Realizacion Practica De Un Receptor A Galena

JPG File(s)
Page 1 Page 2 Page 3

Donated by Lincoln Rivas (Chile, South America)
added 26 Sept 04

#161
Recepcion Con Galena
(Reception With Galena)

JPG File(s)
Page 1 Page 2

Donated by Lincoln Rivas (Chile, South America)
added 26 Sept 04

#162
Receptor A Galena Para Principiantes

JPG File(s)
Page 1 Page 2

Donated by Lincoln Rivas (Chile, South America)
added 26 Sept 04

#163
Receptor A Galena Sensible Y De Alcance

JPG File(s)
Page 1

Donated by Lincoln Rivas (Chile, South America)
added 26 Sept 04

#164
Receptor Miniatura A Galena

JPG File(s)
Page 1 Page 2

Donated by Lincoln Rivas (Chile, South America)
added 26 Sept 04

#165
DX Crystal Radio Receiver
by Joseph Amarose

PDF File(s)
Page 1

Donated by Kenneth Ladd
added 03 Oct 05

Harvey Harbicht's

"Cool Radio Plans"

Thanks to Rick (sorry, don't know last name) for finding all lost files

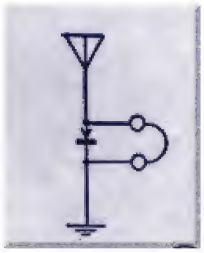
Click Here to go to "Cool Radio Plans" Entire Archive New!!

Special thanks to Mick South (Michael) for the help in collecting 1/2 of these plans before they were lost!!

This is roughly 50% of the archives

58

Crystal Radio Circuits 101



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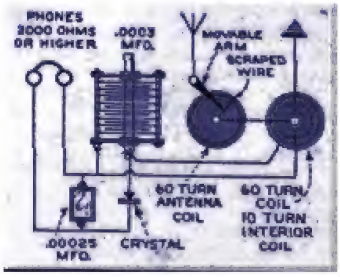
#59

1250 Miles with a crystal detector



JPG File(s)
Page1

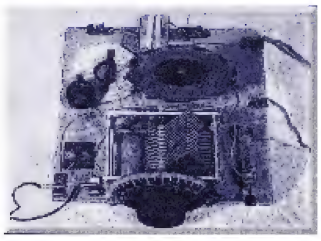
#60

Bare Bones Crystal Set

JPG File(s)
Page 1 page2

#61

A Beginners Broadcast



JPG Files(s)
Page1 Page2

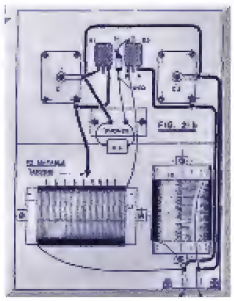
#62

A Beginners Crystal Set

JPG File(s)
Removed, Sorry

#63

A Boys Book of Crystal Sets



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#64

A Bush Mans Crystal Set

JPG File(s)
Page 1

#65

A Card-Board Tube Radio

JPG File(s)

Page 1 Page 2 Page 3 Page 4

#66

Circuit Circus

JPG File(s)

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Page 4	Page 5	Page 6

#67

Cockaday Four-Circuit Tuner

JPG File(s)

Page 1

#68

Hi-Fi Tuner

JPG File(s)

Page 1

#69

Dual Rectifications With Crystals

JPG File(s)

Page 1

#70

Emergency Twin-Crystal Radio Receiver

JPG File(s)

Page 1 Page 2

#71

Free Power

JPG File(s)

Page 1

#72

Crystal Set Has Full-Wave Rectification

JPG File(s)

Page 1

#73

The Junior Radio Guild

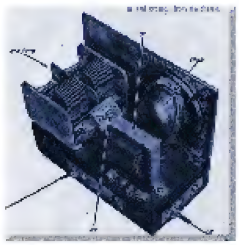
Gernback

Gif File(s)

Page 1 Page 2

#74

High-Power Crystal Set



JPG File(s)

Page 1 Page 2 Page 3

#75

How to build a Crystal Set

JPG File(s)

Page 1 Page 2 Page 3

#76

An Inexpensive Crystal Set

JPG File(s)

Page 1 Page 2

#77

Magnetically Tuned Crystal Set

JPG File(s)

Page 1

#78

Build A MatchBox Crystal Radio

JPG File(s)

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Page 5	Page 6	Page 7	

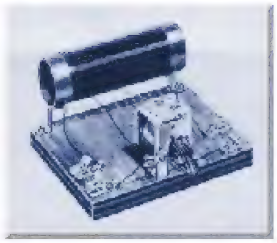
#80

A Modern Crystal Set

JPG File(s)

Page 1

#81
An Operational Crystal Radio



JPG File(s)
Page 1

#82
Powerful Crystal Set #2
This is not the same set as Powerful Crystal Set #1 above
JPG File(s)
Page 1 Page 2

#83
A Radio Set for 50 Cents
(not today's prices!!)
JPG File(s)
Page 1 Page 2

#84
The "By Request"

JPG File(s)
Page 1 Page 2 Page 3

#85
Operation Crystal
JPG File(s)
Page 1

#86
Short-Cuts in Radio
JPG File(s)
Page 1

#87
Simple Crystal Detector
JPG File(s)
Page 1

#88
Suggested Circuits
JPG File(s)
Page 1 Page 2

#89

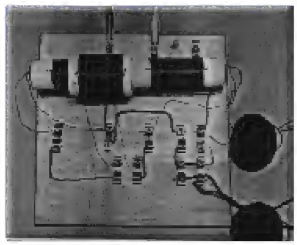
A Super-Sensitive All-Wave Crystal Set

JPG File(s)

Page 1 Page 2

#90

Build a Veriometer Radio

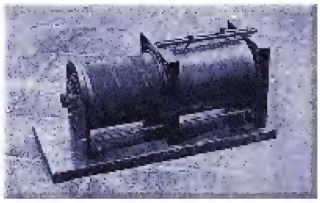


JPG File(s)

Page 1 Page 2

#91

Construction of a Radio Receiving Apparatus



JPG File(s)

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#92

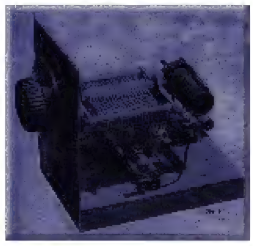
The Early Days Of Radio

JPG File(s)

Page 1	Page 2	Page 3	Page 4

#93

Modern Crystal Radio Receiver



JPG File(s)
Page 1 Page 2 Page 3

#94
Old-Time Flavor Crystal Radio
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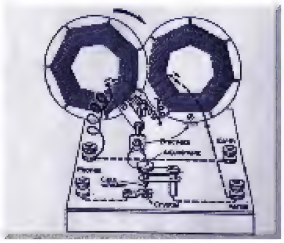
Antique Radio



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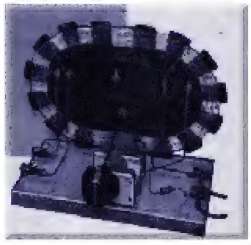
Progressive Crystal Receiver



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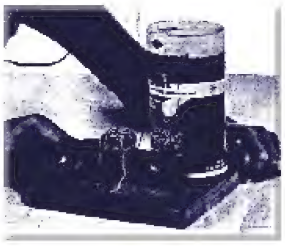
Build a Crystal Set
The Original Solid State Radio



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Selective, Fixed Crystal Set

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A Simple Radiophone Receiver

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Super Crystal Radio

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Barebones Crystal Set

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Nostalgia For The Future

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For The Experminter

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Popular Mechanics

All JPG File(s)

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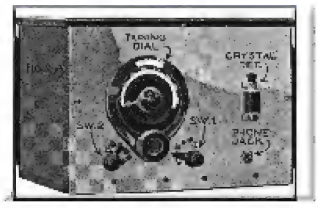

Crystal Receiver built with junk-box parts
Feb 1937
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Seven Crystal Sets for Beginners
July 1941
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Crystal Receiver Is Built Into a Headset Unit
June 1941
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"Big Town" Bike Receiver
Dec 1943
Page 1

#108

Two Modern Crystal Sets
Feb 1943
Page 1
This article is missing pages 2 and 3
If you have them, please let me know!

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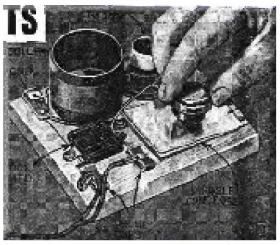

Make The Parts For These Crystal Sets
Jan 1944
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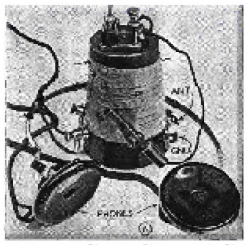

Two Low Cost Crystal Sets
June 1945
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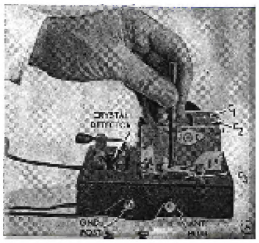

Sharp-Tuning Crystal Set for Experimenters
Nov 1945
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"Tom Thumb" Crystal Set

Sep 1945
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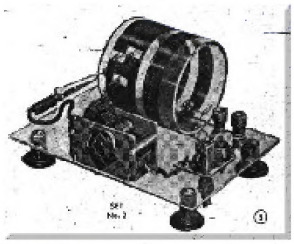

Two Ultra-Modern Crystal Receivers for Experminters
Sep 1946
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Tapped Coil Crystal Receiver and Battery_Operated Amplifier
Apr 1948
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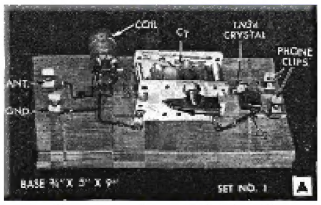

Three Germanium Diode Crystal Receivers for Beginners...
Dec 1950
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Low-Cost Receivers for Junior Builders
June 1951
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Radio Electronics

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Crystal Set Built Into a Toy Phone
June 1947
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High Power Crystal Set

August 1960
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Build a Ocean-Spanning Crystal Receiver

July 1981
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End of Harvey's old site

Old Transistor Radio Plans

Philmore Portable Transistor Radio Kit

PDF Format
Page 1
New

VHF Ear

Listen to Airport Towers
(Note: I'm not sure they still are on this freq. Let me know!)
Page 1 Page 2
New

I'm looking for old plans to post!!

If you have any, please email me!!!

Build a Stirling Hot Air Engine

From Tin Cans!!!

Click Here

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